

FORM PTO-1390 (Modified)
(REV. 07-2004)

U.S. PATENT AND TRADEMARK OFFICE; U.S. DEPARTMENT OF COMMERCE

ATTORNEY'S DOCKET NUMBER

14321.63

**TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371**

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

10/516380INTERNATIONAL APPLICATION NO.
PCT/JP2004/000014INTERNATIONAL FILING DATE
06 January 2004PRIORITY DATE CLAIMED
06 January 2003

TITLE OF INVENTION

P-TYPE NITRIDE SEMICONDUCTOR STRUCTURE AND BIPOLAR TRANSISTOR

APPLICANT(S) FOR DO/EO/US

Toshiki Makimoto, Kazuhide Kumakura, and Naoki Kobayashi

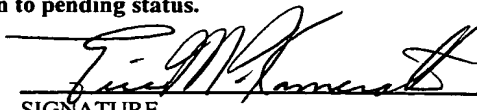
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.
4. ☒ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371 (c) (2))
 - a. ☒ is attached hereto (required only if not communicated by the International Bureau).
 - b. ☒ has been communicated by the International Bureau.
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
 - a. ☒ is attached hereto.
 - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
 - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ have been communicated by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).
11. ☐ A copy of the International Preliminary Examination Report (PCT/IPEA/409).
12. ☒ A copy of the International Search Report (PCT/ISA/210).

Items 13 to 23 below concern document(s) or information included:

13. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
14. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
15. ☒ A **FIRST** preliminary amendment.
16. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
17. ☐ A substitute specification.
18. ☒ A power of attorney and/or change of address letter.
19. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.
20. ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
21. ☐ A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).
22. ☒ Express Mail Label No. EV 485 808 732 US
23. ☒ Other items or information:

Return Receipt Postcard

| | | | | | |
|---|--------------|---|---|--|----|
| U.S. APPLICATION NO (if known, see 37 CFR 1.5) 10/516380 | | INTERNATIONAL APPLICATION NO. PCT/JP2004/000014 | | ATTORNEY'S DOCKET NUMBER 14321.63 | |
| 24. The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492(a)(1)-(5)) : <input type="checkbox"/> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO \$1110.00 <input checked="" type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO \$950.00 <input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$790.00 <input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) \$750.00 <input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) \$100.00 ENTER APPROPRIATE BASIC FEE AMOUNT = | | | | CALCULATIONS PTO USE ONLY <div style="border: 1px solid black; height: 100px; width: 100%;"></div> | |
| Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)). | | | | \$950.00 \$0.00 | |
| CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE | | |
| Total claims | 38 - 20 = | 18 | x \$18.00 | \$324.00 | |
| Independent claims | 3 - 3 = | 0 | x \$88.00 | \$0.00 | |
| Multiple Dependent Claims (check if applicable). <input type="checkbox"/> | | | | \$0.00 | |
| TOTAL OF ABOVE CALCULATIONS = | | | | \$1,274.00 | |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2. | | | | \$0.00 | |
| SUBTOTAL = | | | | \$1,274.00 | |
| Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)). | | | | \$0.00 | |
| TOTAL NATIONAL FEE = | | | | \$1,274.00 | |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable). | | | <input checked="" type="checkbox"/> | \$40.00 | |
| TOTAL FEES ENCLOSED = | | | | \$1,314.00 | |
| | | | | Amount to be refunded | \$ |
| | | | | charged | \$ |
| a. <input type="checkbox"/> A check in the amount of _____ to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of _____ to cover the above fees. c. <input checked="" type="checkbox"/> The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>23-3178</u> d. <input checked="" type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. | | | | | |
| NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status. | | | | | |
| SEND ALL CORRESPONDENCE TO: ERIC M. KAMERATH Registration No. 46,081 Customer No. 022913 | | | | | |
| | | |  SIGNATURE | | |
| | | | ERIC M. KAMERATH NAME | | |
| | | | 46,081 REGISTRATION NUMBER | | |
| | | | November 30, 2004 DATE | | |

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re International Application of

Toshiki MAKIMOTO, Kazuhide KUMAKURA, and
Naoki KOBAYASHI

International Application No.: PCT/JP2004/000014

International filing date: January 6, 2004

For: P-TYPE NITRIDE SEMICONDUCTOR STRUCTURE AND
BIPOLAR TRANSISTOR

VERIFICATION OF TRANSLATION

Honorable Commissioner of Patent and Trademark
Washington, D.C. 20231

Sir:

Nobuyuki KATO residing at c/o TANI & ABE, No. 6-20, Akasaka
2-chome, Minato-ku, Tokyo 107-0052, Japan, declares:

(1) that he knows well both the Japanese and English
languages;

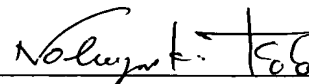
(2) that he translated the claims of the
above-identified International Application from Japanese to
English;

(3) that the attached English translation is a true
and correct translation of the claims, specification and
drawings of the above-identified International Application
to the best of his knowledge and belief; and

(4) that all statements made of his own knowledge
are true and that all statements made on information and belief
are believed to be true, and further that these statements
are made with the knowledge that willful false statements and
the like are punishable by fine or imprisonment, or both, under
18 USC 1001, and that such false statements may jeopardize
the validity of the application or any patent issuing thereon.

October 4, 2004

Date



Nobuyuki KATO

10/516380

DT15 Rec'd PCT/PTO 30 NOV 2004

CERTIFICATE OF MAILING "EXPRESS MAIL" (37 CFR 1.10)

Docket No.

Applicant(s): Toshiki Makimoto, et al.

14321.63

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|-------------------------------|---------------------------|------------------------|------------------------|------------------------------|
| Application No. Unassigned | Filing Date 11/30/2004 | Examiner Unassigned | Customer No. 022913 | Group Art Unit Unassigned |
|-------------------------------|---------------------------|------------------------|------------------------|------------------------------|

Invention: **P-TYPE NITRIDE SEMICONDUCTOR STRUCTURE AND BIPOLAR TRANSISTOR**

I hereby certify that the following correspondence:

Transmittal Letter under 35 USC § 371 (2 pgs, in duplicate); Copy of International Application No. PCT/JP2004/000014; Copy of International Search Report; Preliminary Amendment (11 pgs); Combined Declaration and Power of Attorney (5 pgs); PTO-1595 Recordation Cover Sheet and Assignment (4 pgs); PTO-2038 Credit Card Payment Form in the amount of \$990.00; postcard; and Certificate of Express Mailing Label No. EV 485 808 732 US

(Identify type of correspondence)

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

November 30, 2004*(Date)*Kelli Clark*(Typed or Printed Name of Person Mailing Correspondence)*
*(Signature of Person Mailing Correspondence)*EV 485 808 732 US*("Express Mail" Mailing Label Number)***Note: Each paper must have its own certificate of mailing.**